

10/561,298

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptatsh1654

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
and Japanese-language basic patents from 2004-present  
NEWS 3 NOV 26 MARPAT enhanced with FSORT command  
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 5 NOV 26 Two new SET commands increase convenience of STN  
searching  
NEWS 6 DEC 01 ChemPort single article sales feature unavailable  
NEWS 7 DEC 12 GBFULL now offers single source for full-text  
coverage of complete UK patent families  
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS  
NEWS 9 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
Classification Data  
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added  
for CERAB, COMPUAB, ELCOM, and SOLIDSTATEM  
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING  
  
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:19:43 ON 04 FEB 2009

10/561,298

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 12:19:57 ON 04 FEB 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 2 FEB 2009 HIGHEST RN 1099859-47-8

DICTIONARY FILE UPDATES: 2 FEB 2009 HIGHEST RN 1099859-47-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10561298\Core-1.str

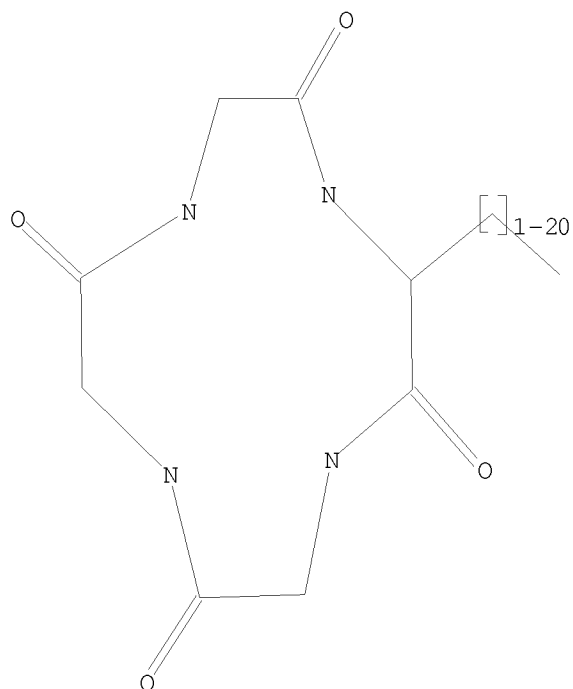
L1 STRUCTURE UPLOADED

=> dis

L1 HAS NO ANSWERS

L1 STR

10/561,298



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 12:20:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 90262 TO ITERATE

100.0% PROCESSED 90262 ITERATIONS

1734 ANSWERS

SEARCH TIME: 00.00.02

L2 1734 SEA SSS FUL L1

=> fil hcap

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

186.10

FILE 'HCAPLUS' ENTERED AT 12:20:27 ON 04 FEB 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching

10/561,298

databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 4 Feb 2009 VOL 150 ISS 6  
FILE LAST UPDATED: 3 Feb 2009 (20090203/ED)

HCAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l2

L3 836 L2

=> s l3 and (pd<20020620)

22788935 PD<20020620

(PD<20020620)

L4 518 L3 AND (PD<20020620)

=> d l4 ibib abs hitstr 1-10

L4 ANSWER 1 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1089072 HCAPLUS

DOCUMENT NUMBER: 143:379863

TITLE: Cell adhesion recognition peptide sequences for modulating nonclassical cadherin-mediated functions

INVENTOR(S): Blaschuk, Orest W.; Gour, Barbara J.; Symonds, James Matthew; Byers, Stephen

PATENT ASSIGNEE(S): Adherex Technologies, Inc., Can.

SOURCE: U.S. Pat. Appl. Publ., 121 pp., Cont.-in-part of U.S. Ser. No. 759,507.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 12

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 20050203025	A1	20050915	US 2004-4107	20041203
US 6472367	B1	20021029	US 1998-73040	19980505
US 6358920	B1	20020319	US 1998-187859	19981106 <--
US 20020123044	A1	20020905	US 1999-234395	19990120
US 6680175	B2	20040120		
US 20020169106	A1	20021114	US 1999-264516	19990308
US 6593297	B2	20030715		
US 6433149	B1	20020813	US 1999-305927	19990505
US 20020146687	A1	20021010	US 1999-305928	19990505
US 6682901	B2	20040127		
US 6638911	B1	20031028	US 2000-535852	20000327

US 6569996	B1	20030527	US 2001-839542	20010420
US 20030082166	A1	20030501	US 2001-6869	20011203
US 6962969	B2	20051108		
AU 2002029228	A	20020516	AU 2002-29228	20020328 <--
AU 778119	B2	20041118		
US 20030096746	A1	20030522	US 2002-141357	20020507
US 20030229199	A1	20031211	US 2003-395032	20030321
US 20040229811	A1	20041118	US 2003-654578	20030903
US 20040248219	A1	20041209	US 2004-759379	20040116
US 20040248220	A1	20041209	US 2004-759507	20040116
PRIORITY APPLN. INFO.:			US 1998-73040	A2 19980505
			US 1998-187859	A2 19981106
			US 1999-234395	A2 19990120
			US 1999-264516	A2 19990308
			US 1999-305927	A1 19990505
			US 1999-305928	A1 19990505
			US 2000-535852	A1 20000327
			US 2001-839542	A1 20010420
			US 2001-6869	A2 20011203
			US 2002-141357	B2 20020507
			US 2003-395032	A2 20030321
			US 2003-654578	A2 20030903
			US 2004-759379	A2 20040116
			US 2004-759507	A2 20040116
			AU 1999-35906	A3 19990505

OTHER SOURCE(S): MARPAT 143:379863

AB Modulating agents for inhibiting or enhancing nonclassical cadherin-mediated cell adhesion are provided. The modulating agents comprise one or more of: (a) a peptide sequence that is at least 50% identical to a nonclassical cadherin CAR sequence; (b) a non-peptide mimetic of a nonclassical cadherin CAR sequence; (c) a substance, such as an antibody or antigen-binding fragment thereof, that specifically binds a nonclassical cadherin CAR sequence; and/or (d) a polynucleotide encoding a polypeptide that comprises a nonclassical cadherin CAR sequence or analog thereof. The invention is based on the identification of previously unknown cell adhesion recognition (CAR) sequences present in nonclassical cadherins. Peptide CAR sequences may be present within a linear or cyclic peptide. OB-cadherin is detected in metastatic ovarian tumor cells and leukemic cells, and N-cadherin is expressed in metastatic carcinoma cells. Disruption of human breast cancer cell adhesion is demonstrated with the linear peptide modulating peptide Ac-IFVIDDKSG-NH<sub>2</sub>, which is found in the first extracellular domain of OB-cadherin. Thus, methods for using such modulating agents for modulating nonclassical cadherin-mediated cell adhesion in a variety of contexts are provided. CAR peptides are provided derived from OB-cadherin, cadherins 5-8 and 12 and 14-15, T-cadherin, PB-cadherin, LI-cadherin, protocadherin, cadherin-related neuronal receptor, desmoglein and desmogleins 1-3, and desmocollin and desmocollins 1-3.

IT **866730-33-8**

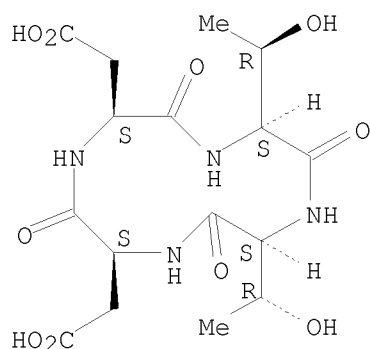
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(cadherin-14 derived peptide; cell adhesion recognition peptide sequences for modulating nonclassical cadherin-mediated functions)

RN 866730-33-8 HCAPLUS

CN Cyclo(L- $\alpha$ -aspartyl-L- $\alpha$ -aspartyl-L-threonyl-L-threonyl) (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:1078209 HCAPLUS  
 DOCUMENT NUMBER: 143:373258  
 TITLE: Cell adhesion recognition sequence peptides for  
 modulating VE-cadherin-mediated functions  
 INVENTOR(S): Blaschuk, Orest W.; Gour, Barbara J.; Symonds, James  
 Matthew; Byers, Stephen  
 PATENT ASSIGNEE(S): Adherex Technologies, Inc., Can.  
 SOURCE: U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S.  
 Ser. No. 759,507.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 12  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050222037	A1	20051006	US 2004-4763	20041203
US 6472367	B1	20021029	US 1998-73040	19980505
US 6358920	B1	20020319	US 1998-187859	19981106 <--
US 20020123044	A1	20020905	US 1999-234395	19990120
US 6680175	B2	20040120		
US 20020169106	A1	20021114	US 1999-264516	19990308
US 6593297	B2	20030715		
US 6433149	B1	20020813	US 1999-305927	19990505
US 20020146687	A1	20021010	US 1999-305928	19990505
US 6682901	B2	20040127		
US 6638911	B1	20031028	US 2000-535852	20000327
US 6569996	B1	20030527	US 2001-839542	20010420
US 20030082166	A1	20030501	US 2001-6869	20011203
US 6962969	B2	20051108		
AU 2002029228	A	20020516	AU 2002-29228	20020328 <--
AU 778119	B2	20041118		
US 20030096746	A1	20030522	US 2002-141357	20020507
US 20030229199	A1	20031211	US 2003-395032	20030321
US 20040229811	A1	20041118	US 2003-654578	20030903
US 20040248219	A1	20041209	US 2004-759379	20040116

US 20040248220	A1	20041209	US 2004-759507	20040116
PRIORITY APPLN. INFO.:			US 1998-73040	A2 19980505
			US 1998-187859	A2 19981106
			US 1999-234395	A2 19990120
			US 1999-264516	A2 19990308
			US 1999-305927	A1 19990505
			US 1999-305928	A1 19990505
			US 2000-535852	A1 20000327
			US 2001-839542	A1 20010420
			US 2001-6869	A2 20011203
			US 2002-141357	B2 20020507
			US 2003-395032	A2 20030321
			US 2003-654578	A2 20030903
			US 2004-759379	A2 20040116
			US 2004-759507	A2 20040116
			AU 1999-35906	A3 19990505

OTHER SOURCE(S): MARPAT 143:373258

AB Peptide compns. and methods for modulating VE-cadherin-mediated functions are provided. The compns. and methods employ VE-cadherin modulating agents which generally comprise one or more of: (a) a peptide sequence that is at least 50% identical to a VE-cadherin cell adhesion recognition (CAR) sequence; (b) a non-peptide mimetic of a VE-cadherin CAR sequence; (c) a substance, such as an antibody or antigen-binding fragment thereof, that specifically binds a VE-cadherin CAR sequence; and/or (d) a polynucleotide encoding a polypeptide that comprises a VE-cadherin CAR sequence or analog thereof. Thus, a representative linear peptide comprising a cadherin-5 CAR sequence, N-Ac-VFRVDAETGD-NH<sub>2</sub>, disrupts adhesion of human umbilical vein endothelial cells with and without the N- and C-terminal groups. Increased migration of endothelial cells, inhibition of endothelial tube formation, and disruption of human adult microvasculature endothelial cells are also observed on treatment with VE-cadherin peptide modulating agents.

IT **865704-89-8**

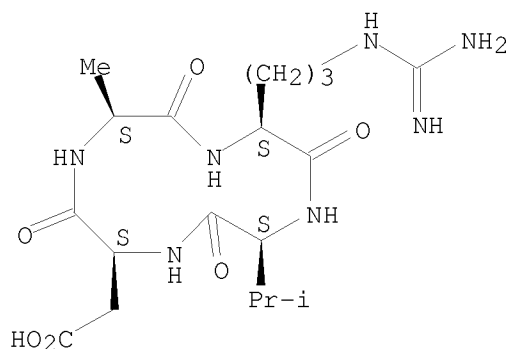
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(cell adhesion recognition sequence peptides for modulating VE-cadherin-mediated functions)

RN 865704-89-8 HCAPLUS

CN Cyclo(L-alanyl-L-arginyl-L-valyl-L- $\alpha$ -aspartyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 3 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:212151 HCAPLUS

DOCUMENT NUMBER: 140:229431

TITLE: Methods for the use of inhibitors of co-repressors for the treatment of neoplastic diseases

INVENTOR(S): Evans, Ronald M.; Lin, Richard J.; Nagy, Laszlo

PATENT ASSIGNEE(S): The Salk Institute for Biological Studies, USA

SOURCE: U.S., 35 pp., Cont.-in-part of U.S. 6,387,673.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6706762	B1	20040316	US 1997-966876	19971110
US 6387673	B1	20020514	US 1997-846881	19970501 <--
CA 2308377	A1	19990520	CA 1998-2308377	19981110 <--
WO 9923885	A1	19990520	WO 1998-US23962	19981110 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9913959	A	19990531	AU 1999-13959	19981110 <--
EP 1037533	A1	20000927	EP 1998-957781	19981110 <--
R: CH, DE, FR, GB, LI				
PRIORITY APPLN. INFO.:			US 1997-846881	A2 19970501
			US 1997-966876	A 19971110
			WO 1998-US23962	W 19981110

AB In accordance with the present invention, it has been discovered that histone deacetylase assoc. with hormone receptor complexes and contributes to the repression thereof. It has further been discovered that exposure of a repressed system to histone deacetylase inhibitors relieves this repression, and that in combination with a ligand for a member the steroid/thyroid superfamily of receptors, the differentiation effects of retinoids are enhanced. Thus, histone deacetylase inhibitors have been found to be useful for the activation of genes responsive to hormone receptors and to counteract the oncogenic functions of oncogenic proteins. In accordance with another aspect of the invention, formulations useful for modulation of hormone-mediated processes have been developed. In addition, assays have been developed for the identification of compds. useful to modulate the above-described processes as well as methods of employing such compds. for the treatment of neoplastic diseases.

IT **133155-89-2**

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

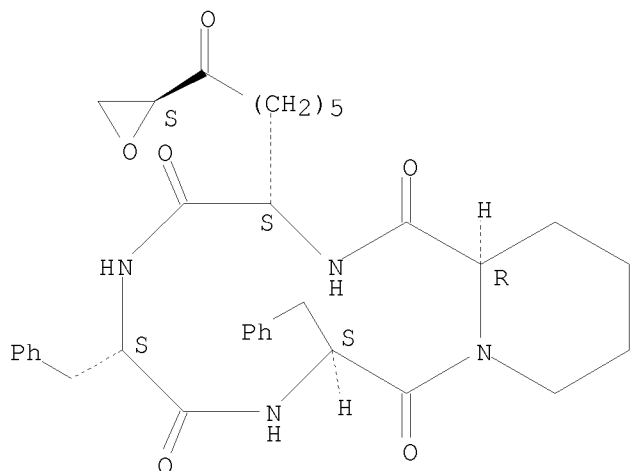
(methods for the use of inhibitors of co-repressors for the treatment of neoplastic diseases)

RN 133155-89-2 HCAPLUS

10/561,298

CN Cyclo[( $\alpha$ S,2S)- $\alpha$ -amino- $\eta$ -oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 95 THERE ARE 95 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:28701 HCAPLUS

DOCUMENT NUMBER: 141:116594

TITLE: Design synthesis of SS-dimers and SS-hybrids based on Cyl-1 (cyclic tetrapeptide) as anti-cancer prodrugs

AUTHOR(S): Nishino, Norikazu; Okamura, Shinji; Ebisuzaki, Shutoku; Kato, Tamaki; Sumida, Yuko; Yoshida, Minoru

CORPORATE SOURCE: Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology, Kitakyushu, 808-0196, Japan

SOURCE: Peptides 2002, Proceedings of the European Peptide Symposium, 27th, Sorrento, Italy, Aug. 31-Sept. 6, 2002 (2002), 830-831. Editor(s): Benedetti, Ettore; Pedone, Carlo. Edizioni Ziino: Castellammare di Stabia, Italy.

CODEN: 69EYXG; ISBN: 88-900948-1-8

DOCUMENT TYPE: Conference

LANGUAGE: English

AB Design and synthesis of SS-dimers and SS-hybrids based on Cyl-1 (cyclic tetrapeptide) as anti-cancer prodrugs is described.

IT 591772-31-5 591772-81-5 591772-85-9 591772-85-9D, derivs. 591772-87-1 591772-89-3

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (synthesis of SS-dimers and SS-hybrids based on Cyl-1 as anticancer prodrugs)

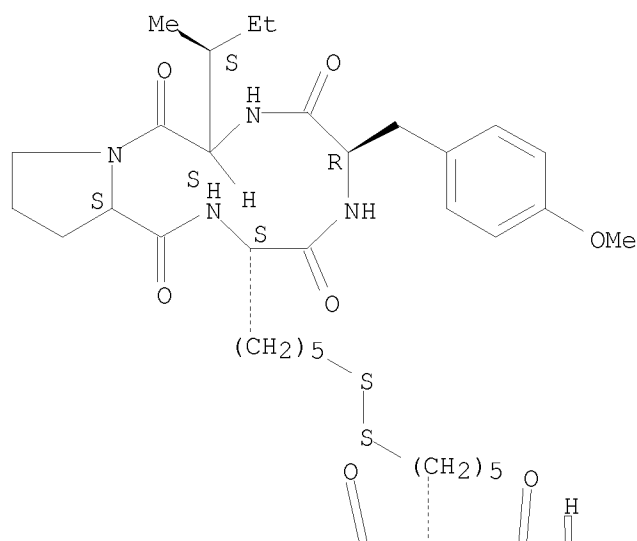
RN 591772-31-5 HCAPLUS

CN Cyclo[(2S)-2-amino-7-mercaptoheptanoyl-O-methyl-D-tyrosyl-L-isoleucyl-L-prolyl], bimol. (1 $\rightarrow$ 1')-disulfide (9CI) (CA INDEX NAME)

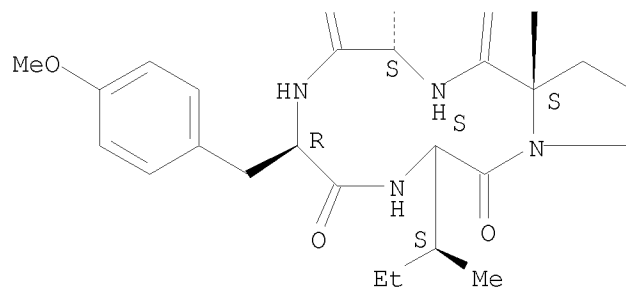
10/561,298

Absolute stereochemistry.

PAGE 1-A



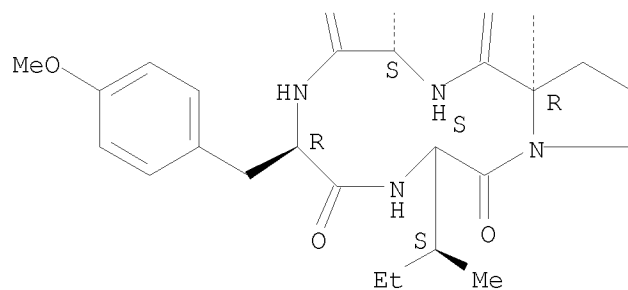
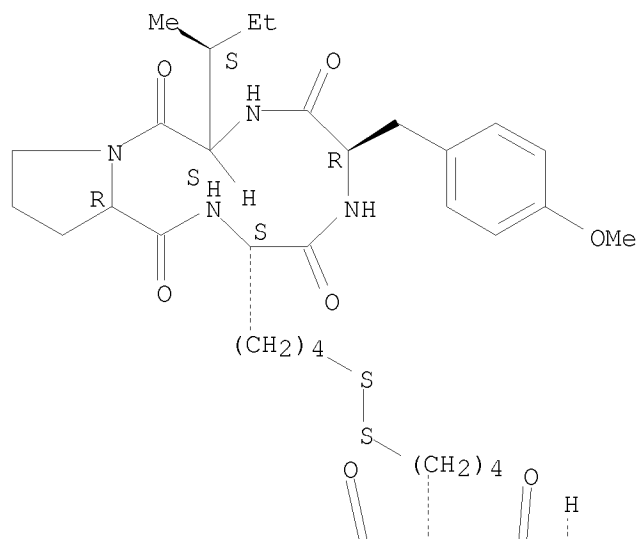
PAGE 2-A



RN 591772-81-5 HCAPLUS

CN Cyclo(L-isoleucyl-D-prolyl-6-mercapto-L-norleucyl-O-methyl-D-tyrosyl),  
bimol. (3→3')-disulfide (9CI) (CA INDEX NAME)

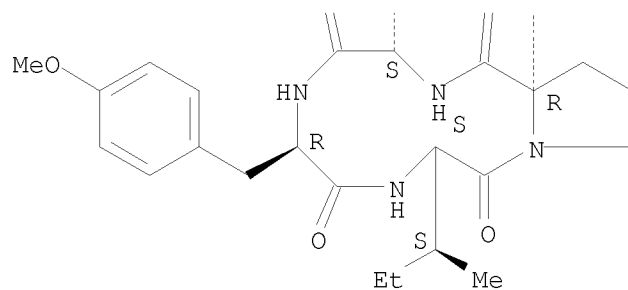
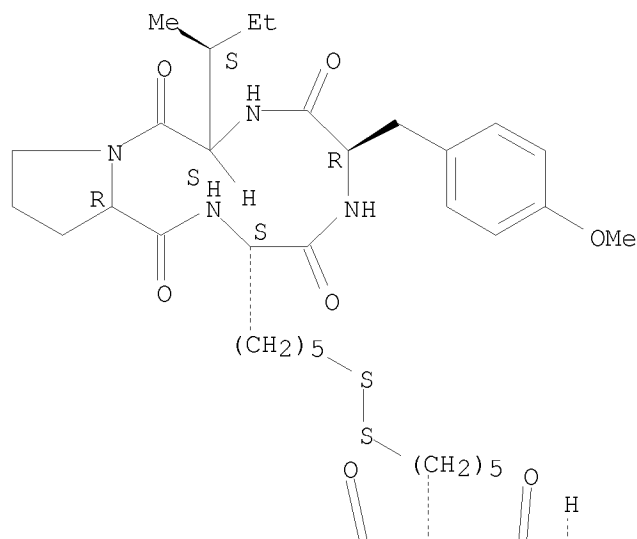
Absolute stereochemistry.



RN 591772-85-9 HCAPLUS

CN Cyclo[(2S)-2-amino-7-mercaptoheptanoyl-O-methyl-D-tyrosyl-L-isoleucyl-D-prolyl], bimol. (1→1')-disulfide (9CI) (CA INDEX NAME)

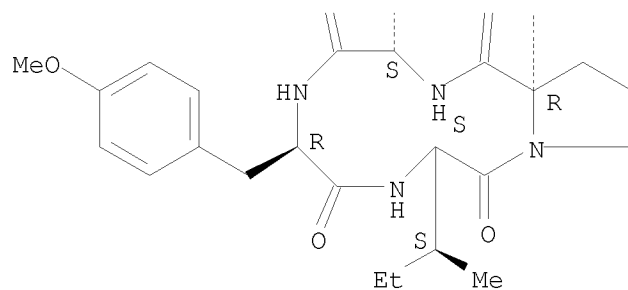
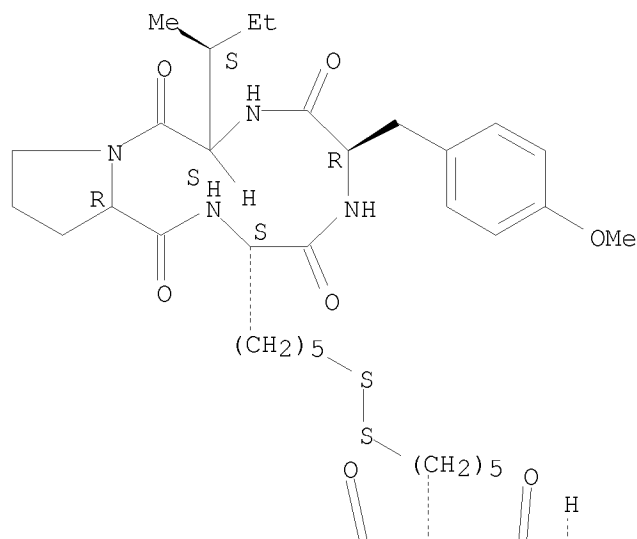
Absolute stereochemistry.



RN 591772-85-9 HCAPLUS

CN Cyclo[(2S)-2-amino-7-mercaptoheptanoyl-O-methyl-D-tyrosyl-L-isoleucyl-D-prolyl], bimol. (1→1')-disulfide (9CI) (CA INDEX NAME)

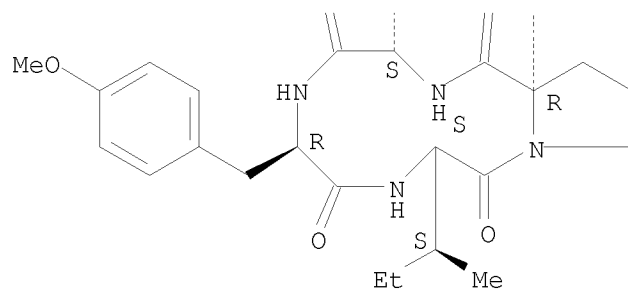
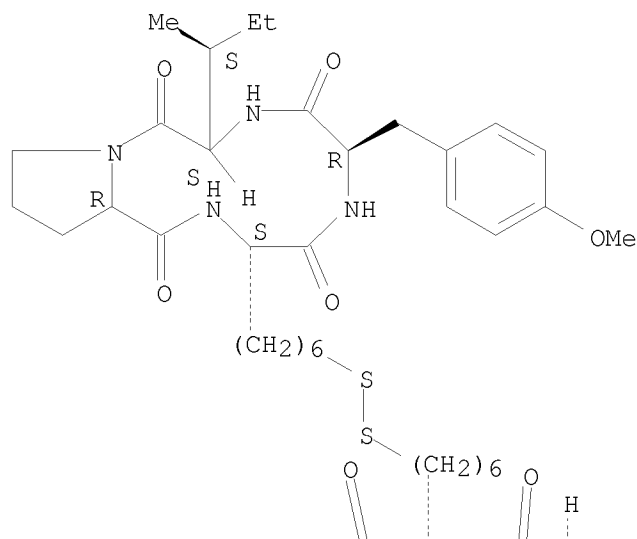
Absolute stereochemistry.



RN 591772-87-1 HCAPLUS

CN Cyclo[(2S)-2-amino-8-mercaptooctanoyl-O-methyl-D-tyrosyl-L-isoleucyl-D-prolyl], bimol. (1→1')-disulfide (9CI) (CA INDEX NAME)

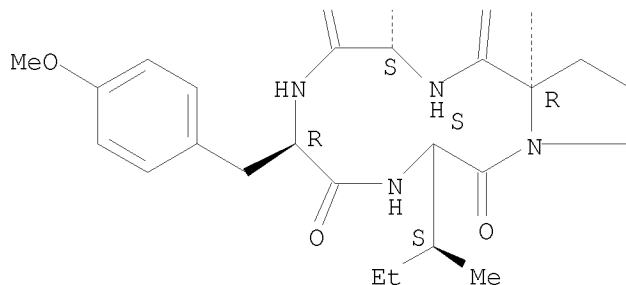
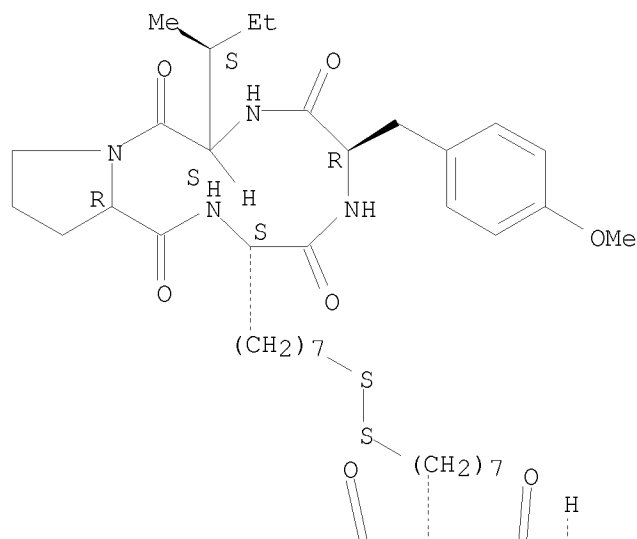
Absolute stereochemistry.



RN 591772-89-3 HCAPLUS

CN Cyclo[(2S)-2-amino-9-mercaptononanoyl-O-methyl-D-tyrosyl-L-isoleucyl-D-prolyl], bimol. (1→1')-disulfide (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:28361 HCAPLUS

DOCUMENT NUMBER: 141:174435

TITLE: Solid-phase synthesis of tentoxin. Synthesis of a library of analogues

AUTHOR(S): Jimenez, Jose Carlos; Chavarria, Bibiana; Lopez-Macia, Angel; Royo, Miriam; Giralt, Ernest; Albericio, F. Fernando

CORPORATE SOURCE: Departament de Quimica Organica, Universitat de Barcelona, Spain

SOURCE: Peptides 2002, Proceedings of the European Peptide

Symposium, 27th, Sorrento, Italy, Aug. 31-Sept. 6, 2002 (**2002**), 150-151. Editor(s): Benedetti, Ettore; Pedone, Carlo. Edizioni Ziino: Castellammare di Stabia, Italy.

CODEN: 69EYXG; ISBN: 88-900948-1-8

DOCUMENT TYPE:

Conference

LANGUAGE:

English

AB A symposium report. The complete synthesis of cyclic peptide tentoxin and its analogs on solid phase is described. The key stages for the synthesis were: to minimize diketopiperazine formation during peptide coupling, two out of four possible sequences for chain elongation were chosen, solid-phase dehydration reaction, N-methylation of (Z)-didehydrophenylalanine amide bond, cleavage and cyclization of the final peptide.

IT **28540-82-1DP**, Tentoxin, analogs **28540-82-1P**, Tentoxin

RL: SPN (Synthetic preparation); PREP (Preparation)

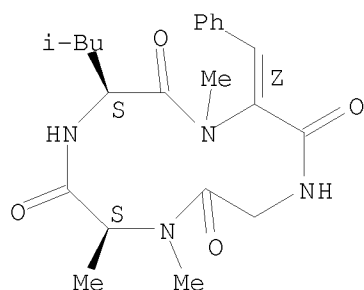
(solid-phase synthesis of cyclic peptide tentoxin and its analogs)

RN 28540-82-1 HCAPLUS

CN Cyclo[N-methyl-L-alanyl-L-leucyl-( $\alpha$ Z)- $\alpha,\beta$ -didehydro-N-methylphenylalanylglycyl] (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

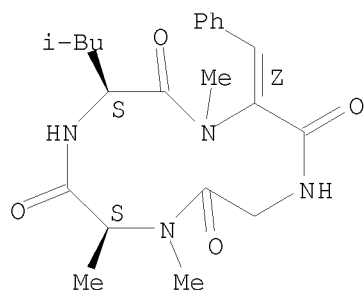


RN 28540-82-1 HCAPLUS

CN Cyclo[N-methyl-L-alanyl-L-leucyl-( $\alpha$ Z)- $\alpha,\beta$ -didehydro-N-methylphenylalanylglycyl] (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:28295 HCAPLUS

DOCUMENT NUMBER: 141:243801

TITLE: A synthetic strategy toward constrained head-to-tail cyclopeptides

AUTHOR(S): Alcaro, Maria C.; Sabatino, Giuseppina; Ginanneschi, Mauro; Chelli, Mario; Di Fenza, Armida; Rovero, Paolo; Papini, Anna M.

CORPORATE SOURCE: Dipartimento di Chimica Organica "Ugo Schiff", Universita di Firenze, and CNR-ICCOM, Sesto Fiorentino (FI), I-50019, Italy

SOURCE: Peptides 2002, Proceedings of the European Peptide Symposium, 27th, Sorrento, Italy, Aug. 31-Sept. 6, 2002 (2002), 16-17. Editor(s): Benedetti, Ettore; Pedone, Carlo. Edizioni Ziino: Castellammare di Stabia, Italy.

CODEN: 69EYXG; ISBN: 88-900948-1-8

DOCUMENT TYPE: Conference

LANGUAGE: English

AB A symposium report. An efficient strategy, which favors intramol. head-to-tail cyclization, is based on the anchoring of a trifunctional amino acid to the resin by its side-chain. The combination of this strategy with an orthogonal tridimensional protection scheme as the Fmoc/tBu/OAl results in a simple head-to-tail cyclization methodol. This methodol. was applied to the synthesis of cyclopeptides.

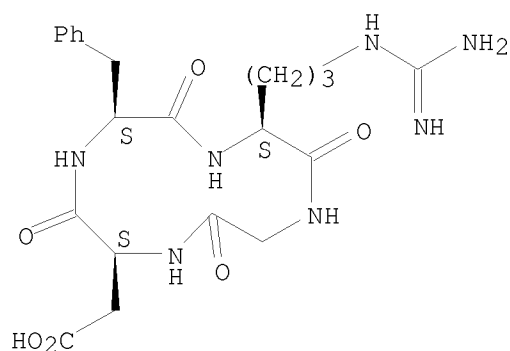
IT **171745-37-2DP**, resin-bound **184906-58-9DP**, resin-bound

RL: SPN (Synthetic preparation); PREP (Preparation)  
(solid phase intramol. head-to-tail cyclization strategy for cyclopeptides synthesis)

RN 171745-37-2 HCAPLUS

CN Cyclo(L-arginylglycyl-L- $\alpha$ -aspartyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

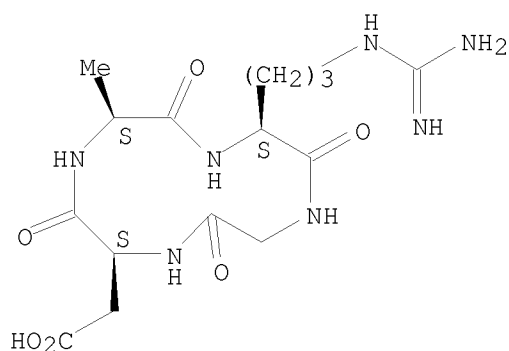
Absolute stereochemistry.



RN 184906-58-9 HCAPLUS

CN Cyclo(L-alanyl-L-arginylglycyl-L- $\alpha$ -aspartyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:509684 HCAPLUS

DOCUMENT NUMBER: 140:199700

TITLE: Insect oostatic peptides containing cyclic and isosteric structures

AUTHOR(S): Hlavacek, Jan; Marik, Jan; Budesinsky, Milos; Bennettova, Blanka; Tykva, Richard

CORPORATE SOURCE: Institute of Organic Chemistry and Biochemistry, Academy of Sciences, Prague, 166 10, Czech Rep.

SOURCE: Peptides 2000, Proceedings of the European Peptide Symposium, 26th, Montpellier, France, Sept. 10-15, 2000 (2001), Meeting Date 2000, 655-656.

Editor(s): Martinez, Jean; Fehrentz, Jean-Alain.

Editions EDK: Paris, Fr.

CODEN: 69EDWK; ISBN: 2-84254-048-4

DOCUMENT TYPE: Conference

LANGUAGE: English

AB A symposium report. A shortening of the oostatic decapeptide H-Tyr-Asp-Pro-Ala-(Pro)6-OH sequence from the C-terminus yielded the tetra- and pentapeptides exhibiting an enhanced oostatic activity in the flesh fly *Sarcophaga bullata*. A new series of the shortened analogs containing the  $\psi$ [CH2O] isosteric unit inserted between the Tyr and Asp in the amino terminus or between the Pro and Ala in the carboxy terminus, in which the  $\psi$ [CH2S] isosteric unit was introduced too, was synthesized. Cyclic analogs of the linear peptides were also prepared

IT **383881-90-1P**

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);

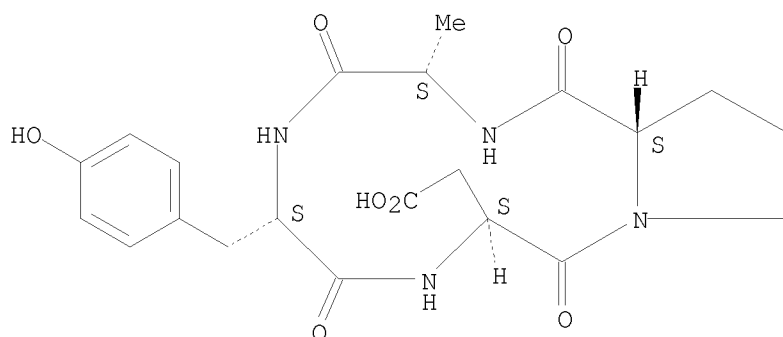
BIOL (Biological study); PREP (Preparation)

(preparation and activity of insect oostatic peptides containing cyclic and isosteric structures)

RN 383881-90-1 HCAPLUS

CN Cyclo(L-alanyl-L-tyrosyl-L- $\alpha$ -aspartyl-L-prolyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:509637 HCAPLUS

DOCUMENT NUMBER: 139:223306

TITLE: Mass spectrometry in a peptide laboratory

AUTHOR(S): Enjalbal, Christine; Maux, Delphine; Martinez, Jean; Aubagnac, Jean-Louis

CORPORATE SOURCE: Laboratoire des Aminoacides, Peptides et Proteines, UMR5810, Universites Montpellier I et II, Montpellier, 34095, Fr.

SOURCE: Peptides 2000, Proceedings of the European Peptide Symposium, 26th, Montpellier, France, Sept. 10-15, 2000 (2001), Meeting Date 2000, 561-562.

Editor(s): Martinez, Jean; Fehrentz, Jean-Alain.

Editions EDK: Paris, Fr.

CODEN: 69EDWK; ISBN: 2-84254-048-4

DOCUMENT TYPE: Conference

LANGUAGE: English

AB Mass spectrometry is a powerful anal. tool allowing effective structural elucidation of a wide range of mols. issued from solution-, solid- and liquid-phase syntheses. The relevance of electrospray ionization mass spectrometry (ES-MS), matrix-assisted laser desorption/ionization (MALDI) and static secondary ion mass spectrometry (S-SIMS) to characterize all samples produced daily in a peptide laboratory will be illustrated.

IT **135086-71-4**

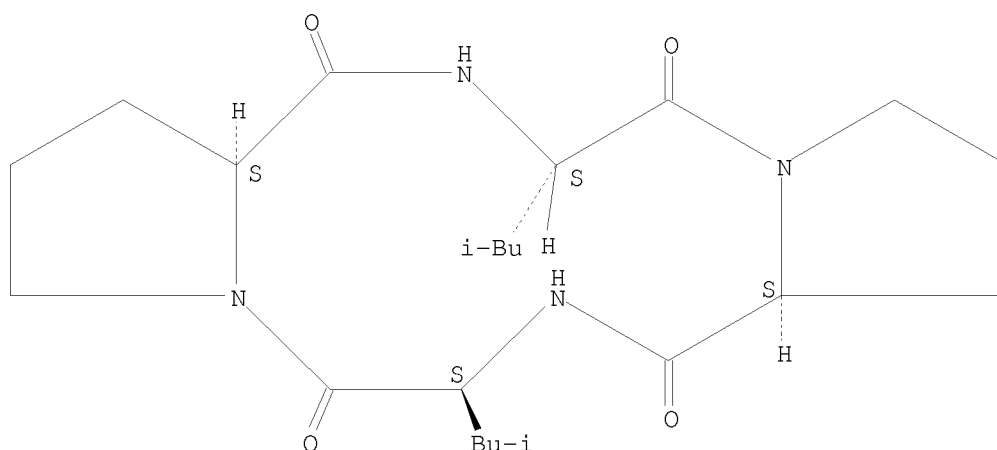
RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)

(mass spectrometry in a peptide laboratory)

RN 135086-71-4 HCAPLUS

CN Cyclo(L-leucyl-L-prolyl-L-leucyl-L-prolyl) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:509499 HCAPLUS

DOCUMENT NUMBER: 140:199689

TITLE: Constrained head-to-tail cyclopeptides by amino-acid side-chain anchoring to trityl resins

AUTHOR(S): Uziel, Jacques; Alcaro, Maria C.; Sabatino, Giuseppina; Di Fenza, Armida; Ginanneschi, Mauro; Chelli, Mario; Rovero, Paolo; Papini, Anna M.  
CORPORATE SOURCE: Dipartimento di Chimica Organica "Ugo Schiff" and CNR-CSCEA, Universita degli Studi di Firenze, Florence, I-50121, Italy

SOURCE: Peptides 2000, Proceedings of the European Peptide Symposium, 26th, Montpellier, France, Sept. 10-15, 2000 (2001), Meeting Date 2000, 285-286.  
Editor(s): Martinez, Jean; Fehrentz, Jean-Alain.  
Editions EDK: Paris, Fr.  
CODEN: 69EDWK; ISBN: 2-84254-048-4

DOCUMENT TYPE: Conference

LANGUAGE: English

AB A symposium report. A series of diketopiperazines were prepared from Fmoc-Xaa(Trt-resin)-OAl [Xaa = His, Asp; Al = allyl], cyclization being achieved by intramol. aminolysis and Fmoc deprotection. A series of cyclotetrapeptides was similarly prepared from Fmoc-Asp(Trt-resin)-OAl.

IT 171745-37-2P 184906-58-9P 661492-50-8P

661492-51-9P 661492-52-0P

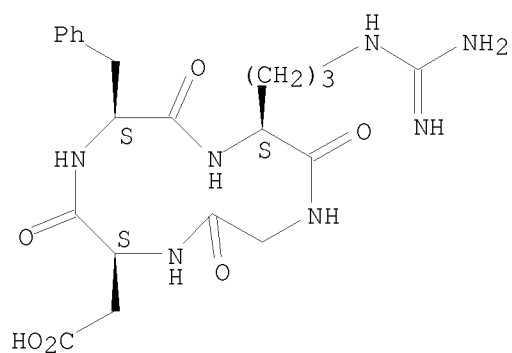
RL: SPN (Synthetic preparation); PREP (Preparation)  
(solid-phase synthesis of constrained head-to-tail cyclopeptides by amino-acid side-chain anchoring to trityl resins)

RN 171745-37-2 HCAPLUS

CN Cyclo(L-arginylglycyl-L- $\alpha$ -aspartyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

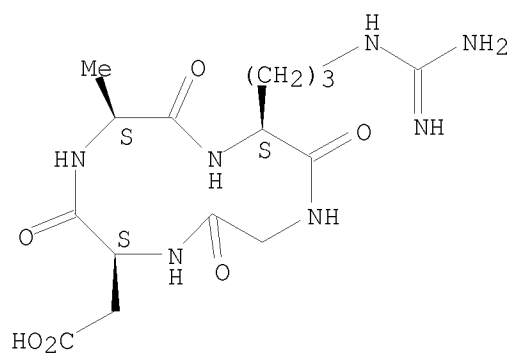
10/561,298



RN 184906-58-9 HCAPLUS

CN Cyclo(L-alanyl-L-arginylglycyl-L-α-aspartyl) (9CI) (CA INDEX NAME)

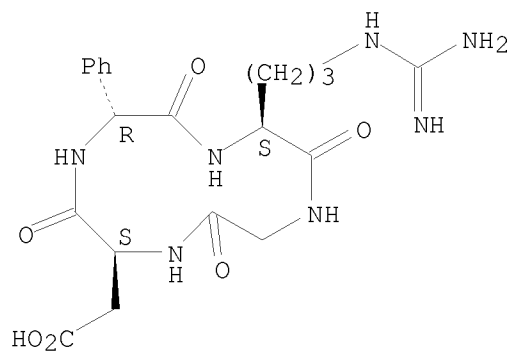
Absolute stereochemistry.



RN 661492-50-8 HCAPLUS

CN Cyclo[L-arginylglycyl-L-α-aspartyl-(2R)-2-phenylglycyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

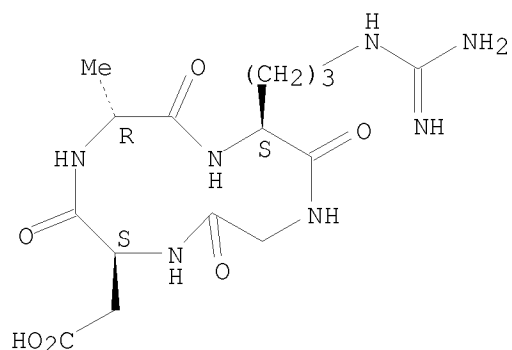


RN 661492-51-9 HCAPLUS

CN Cyclo(D-alanyl-L-arginylglycyl-L-α-aspartyl) (9CI) (CA INDEX NAME)

10/561,298

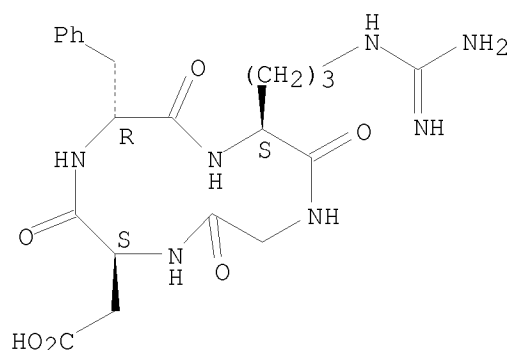
Absolute stereochemistry.



RN 661492-52-0 HCAPLUS

CN Cyclo(L-arginylglycyl-L- $\alpha$ -aspartyl-D-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 518 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:509492 HCAPLUS

DOCUMENT NUMBER: 140:236052

TITLE: Cyclic tetrapeptides - novel scaffolds for pharmacophore design

AUTHOR(S): Seale, Peter W.; Stead, Paul; Jaxa-Chamiec, Albert  
CORPORATE SOURCE: Medicines Research Centre, Glaxo Wellcome Research & Development, Stevenage, Hertfordshire, SG1 2NY, UK  
SOURCE: Peptides 2000, Proceedings of the European Peptide Symposium, 26th, Montpellier, France, Sept. 10-15, 2000 (2001), Meeting Date 2000, 271-272.

Editor(s): Martinez, Jean; Fehrentz, Jean-Alain.

Editions EDK: Paris, Fr.

CODEN: 69EDWK; ISBN: 2-84254-048-4

DOCUMENT TYPE: Conference

LANGUAGE: English

AB A symposium report. Apicidin, a naturally occurring cyclic tetrapeptide

with antiparasitic activity, was reduced with NaBH<sub>4</sub> to a linear product where the Aoda-Trp amide bond had been reductively cleaved as well as the side-chain ketone group reduced. Both apicidin and the alcs. showed antiparasitic activity against *Leishmania donovani*, *Trypanosoma cruzi*, *T. brucei*, *Plasmodium falciparum*, and *P. berghei*. A related cyclic tetrapeptide cyclo(Phe-Trp-Phe-D-Pro), originally isolated from *Ctenomyces serratus* with unassigned stereo, was synthesized and showed inverse agonist activity at 1.6 μM in the δ-opioid assay.

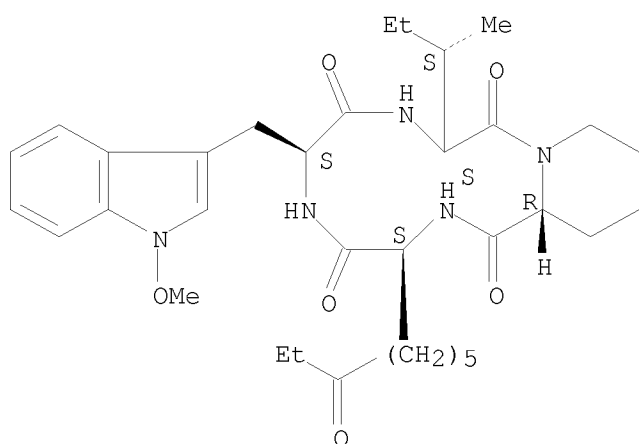
IT **183506-66-3**

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent) (preparation and antiparasitic activity of apicidin alcs.)

RN 183506-66-3 HCAPLUS

CN Cyclo[(2S)-2-amino-8-oxodecanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(2R)-2-piperidinecarbonyl] (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



IT **314058-15-6P**

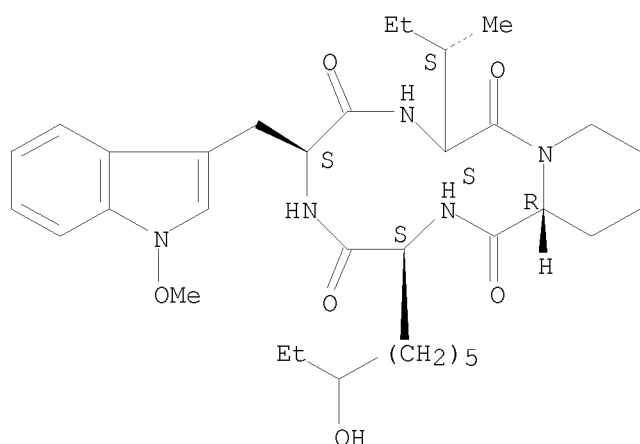
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and antiparasitic activity of apicidin alcs.)

RN 314058-15-6 HCAPLUS

CN Cyclo[(2S)-2-amino-8-hydroxydecanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10/561,298



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:19:43 ON 04 FEB 2009)

FILE 'REGISTRY' ENTERED AT 12:19:57 ON 04 FEB 2009

L1 STRUCTURE UPLOADED

L2 1734 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 12:20:27 ON 04 FEB 2009

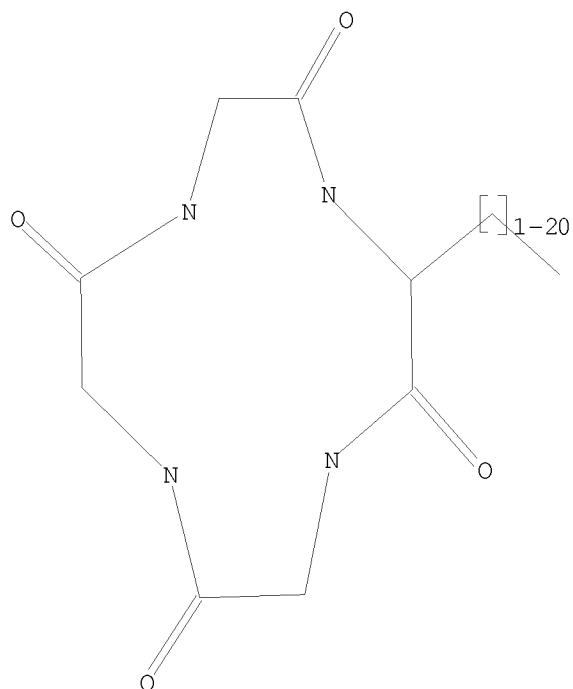
L3 836 L2

L4 518 S L3 AND (PD<20020620)

=> d que stat

L1 STR

10/561,298



Structure attributes must be viewed using STN Express query preparation.

L2 1734 SEA FILE=REGISTRY SSS FUL L1

L3 836 SEA FILE=HCAPLUS ABB=ON PLU=ON L2

L4 518 SEA FILE=HCAPLUS ABB=ON PLU=ON L3 AND (PD<20020620)